VAR Club BASE RELATION {

club\_id INT,

club\_name CHAR,

club\_acronym CHAR}

KEY {club\_id};

VAR Team BASE RELATION {

team\_id INT,

team\_name CHAR,

coach\_name\_firstname CHAR,

belongs\_to INT}

KEY {team\_id};

CONSTRAINT Team\_fk1

Team{belongs\_to} = Club{club\_id} RENAME {club\_id AS belongs\_to};

VAR League BASE RELATION {

league\_id INT,

league\_name CHAR}

KEY {league\_id};

VAR Season BASE RELATION {

season\_id CHAR,

day\_nr INT}

KEY{season\_id};

VAR takes\_part REAL RELATION {

team\_id INT,

league\_id INT,

season\_id CHAR}

KEY {team\_id, league\_id, season\_id};

CONSTRAINT takes\_part\_fk1

takes\_part{team\_id} <= Team{team\_id};

CONSTRAINT takes\_part\_fk2

takes\_part{league\_id} <= League{league\_id};

CONSTRAINT takes\_part\_fk3

takes\_part{season\_id} <= Season{season\_id};

VAR Characteristics REAL RELATION {

season\_id CHAR,

league\_id INT,

number\_of\_teams INT}

KEY{season\_id, league\_id};

CONSTRAINT Characteristics\_fk1

Characteristics{season\_id} <= Season{season\_id};

CONSTRAINT Characteristics\_fk2

Characteristics{league\_id} <= League{league\_id};

VAR Player BASE RELATION {

player\_id INT,

player\_name CHAR,

player\_firstname CHAR,

date\_of\_birth CHAR,

nationality CHAR,

birth\_country CHAR,

weight RATIONAL,

size RATIONAL}

KEY {player\_id};

VAR Date BASE RELATION {

date CHAR}

KEY {date};

VAR Start REAL RELATION {

team\_id INT,

player\_id INT,

date CHAR}

KEY {team\_id, player\_id, date};

CONSTRAINT Start\_fk1

Start{team\_id} <= Team{team\_id};

CONSTRAINT Start\_fk2

Start{player\_id} <= Player{player\_id};

VAR Fin REAL RELATION {

team\_id INT,

player\_id INT,

date CHAR}

KEY {team\_id, player\_id, date};

CONSTRAINT Fin\_fk1

Fin{team\_id} <= Team{team\_id};

CONSTRAINT Fin\_fk2

Fin{player\_id} <= Player{player\_id};

VAR Day BASE RELATION {

day\_nr INT}

KEY {day\_nr};

VAR Plays REAL RELATION {

player\_id INT,

day\_nr INT,

position CHAR,

starting\_time INT,

yellow\_cards INT,

red\_card BOOLEAN,

shirt\_nr INT}

KEY {player\_id, day\_nr};

CONSTRAINT Plays\_fk1

Plays{player\_id} <= Player{player\_id};

CONSTRAINT Plays\_fk2

Plays{day\_nr} <= Day{day\_nr};

VAR Match BASE RELATION {

visitor INT,

local INT,

day\_nr INT,

attendance INT,

local\_goals INT,

visitors\_goal INT,

match\_date\_time CHAR}

KEY {day\_nr, local, visitor};

CONSTRAINT Match\_fk1

Match{visitor} <= Team{team\_id} RENAME {team\_id AS visitor};

CONSTRAINT Match\_fk2

Match{local} <= Team{team\_id} RENAME {team\_id AS local};

CONSTRAINT Match\_fk3

Match{day\_nr} <= Day{day\_nr};